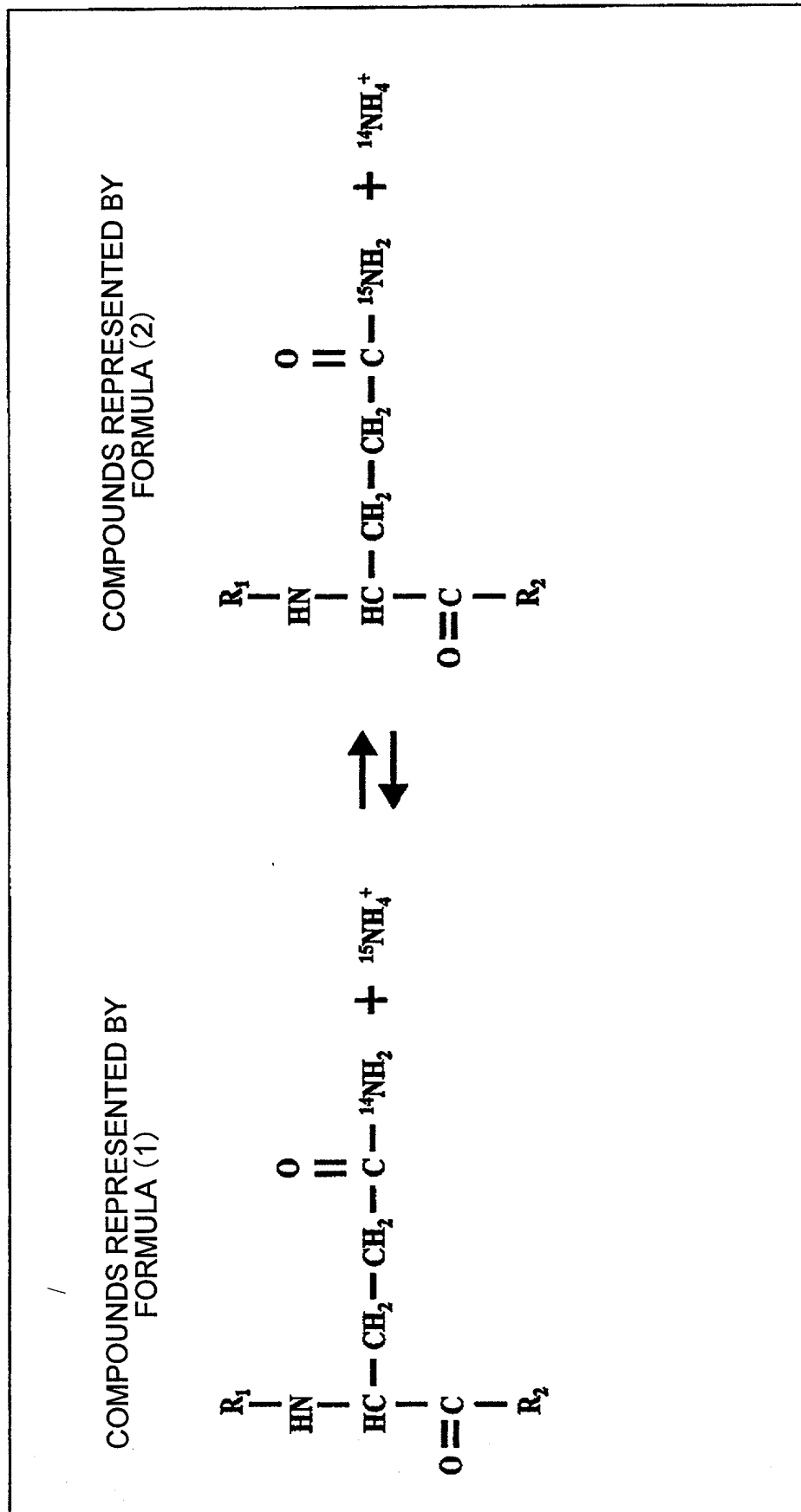


FIG. 1



SCHEME FOR ¹⁵N-LABELING OF CARBOXAMIDE NITROGEN ATOM ON A GLUTAMINE RESIDUE

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FIG. 2a

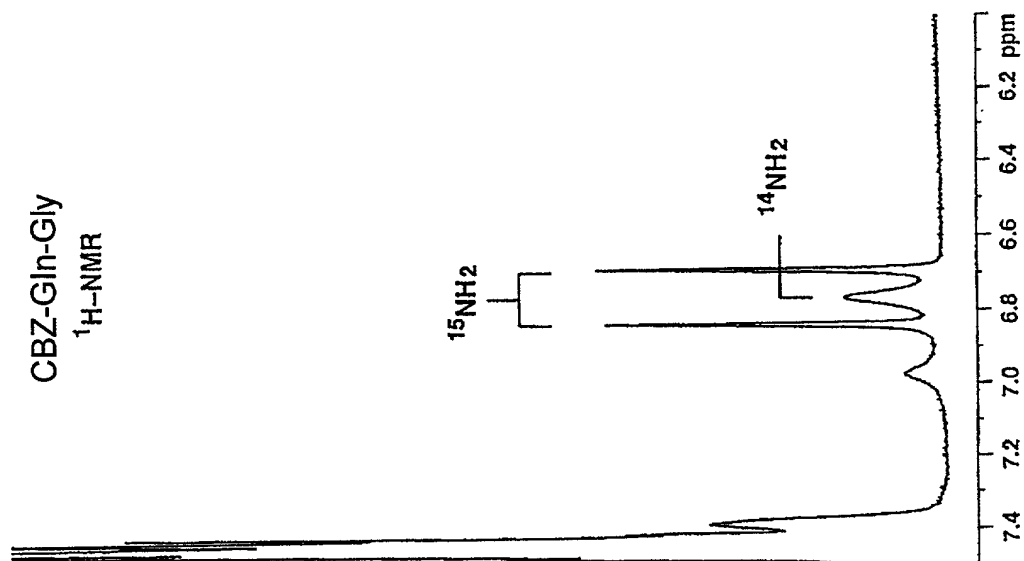
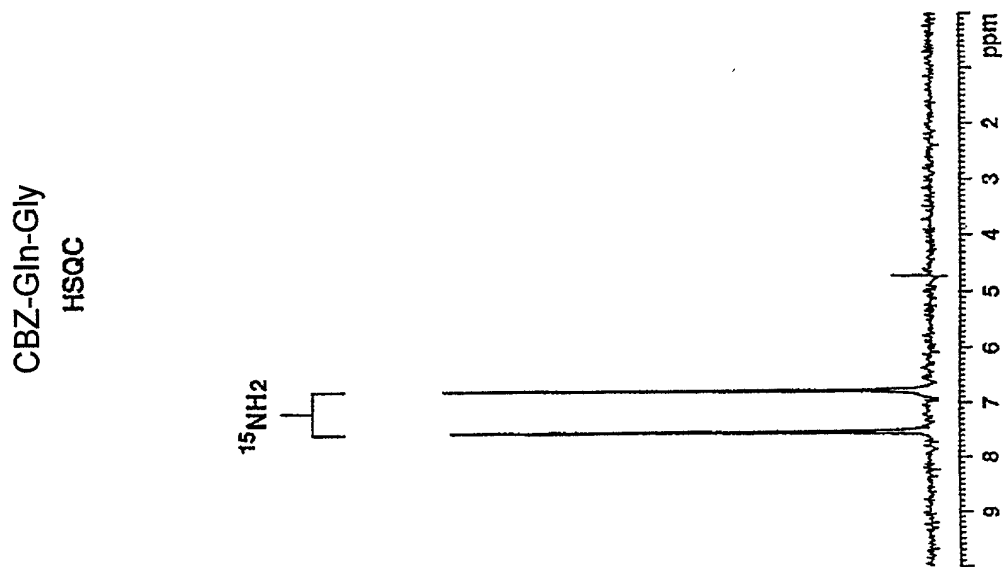


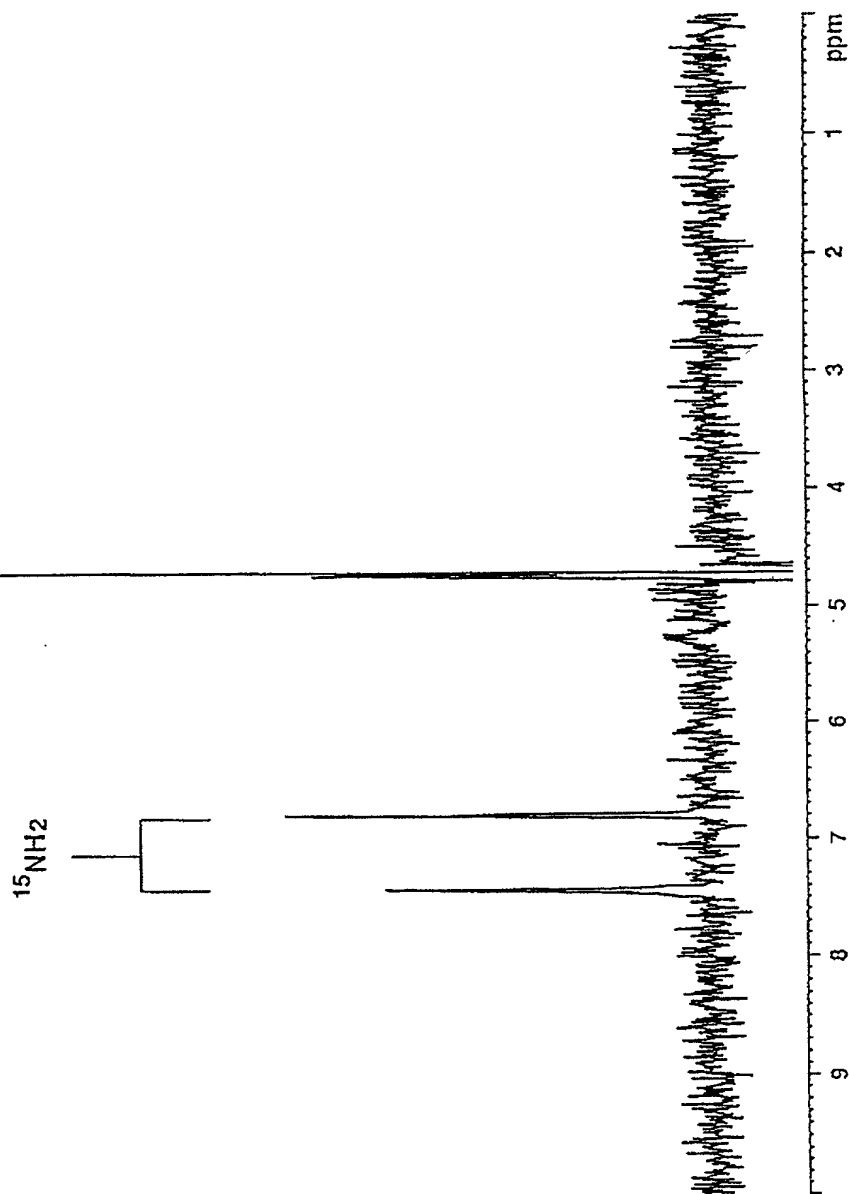
FIG. 2b



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FIG. 3

HSQC SPECTRUM OF INSULINE B-CHAIN



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FIG. 4a

INSULINE A-CHAIN

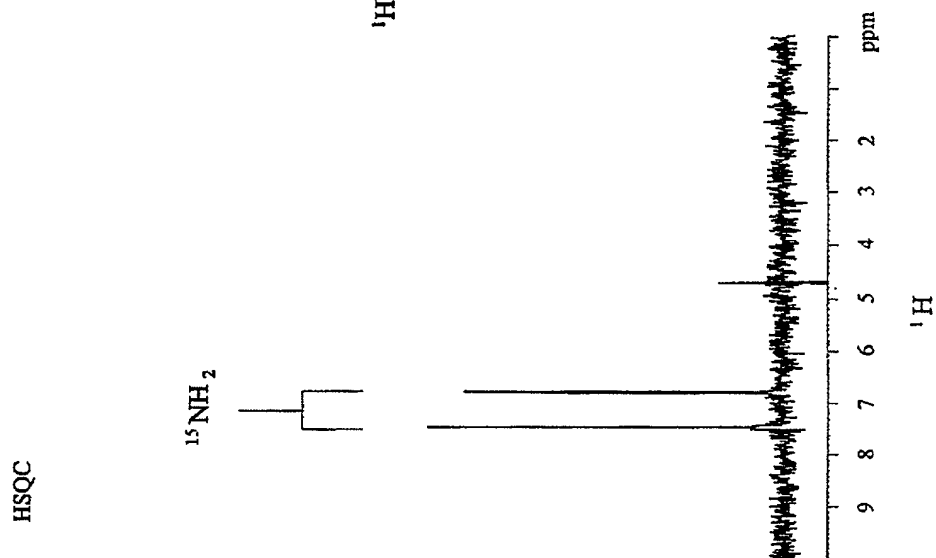
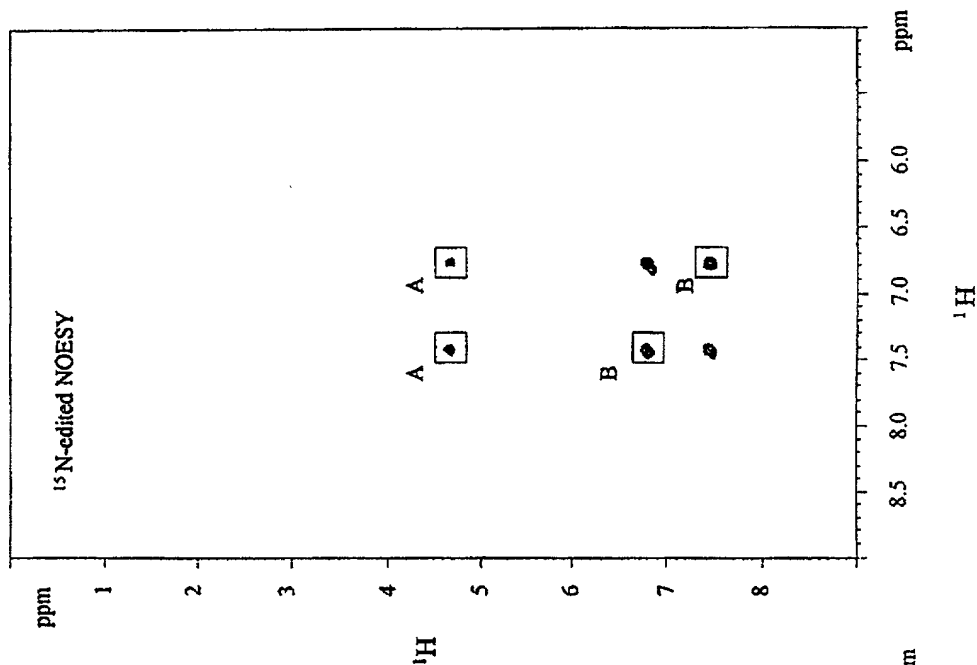


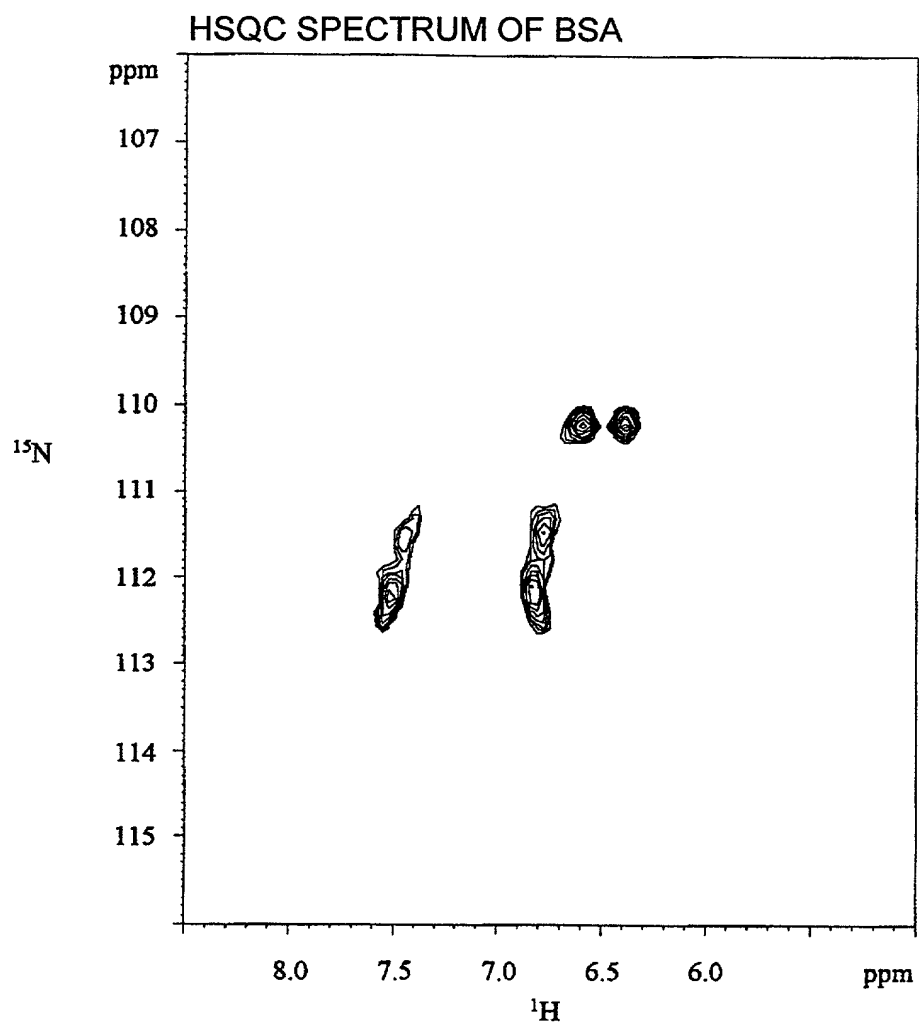
FIG. 4b

INSULINE A-CHAIN



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FIG. 5



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FIG. 6a

^{15}N -LABELING BY MTG

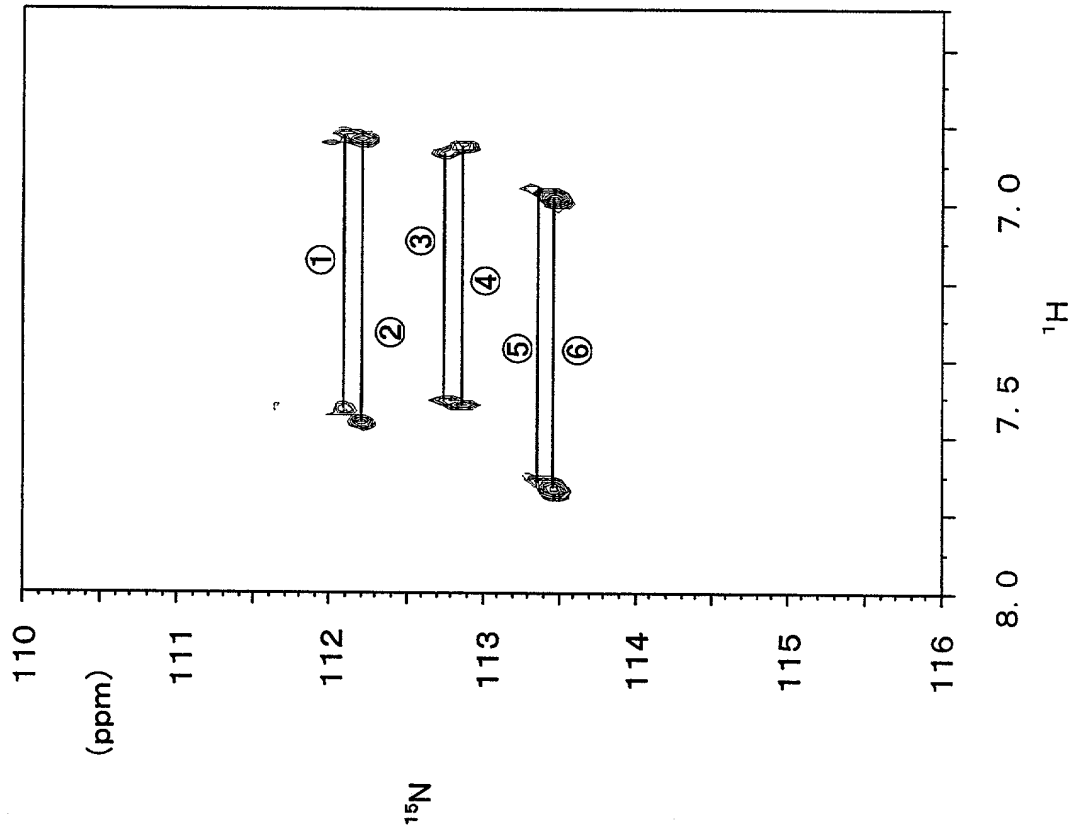
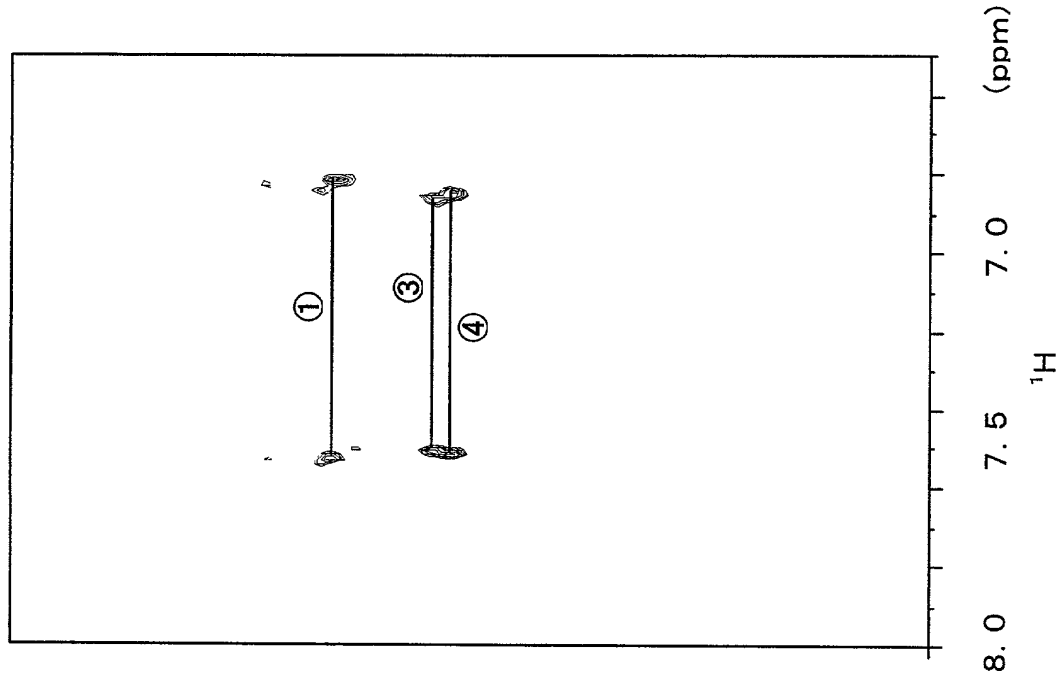


FIG. 6b

^{15}N -LABELING BY TRANSGLUTAMINASE
FROM GUINEA PIG



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FIG. 7

